

0000000000000000000000000000000000

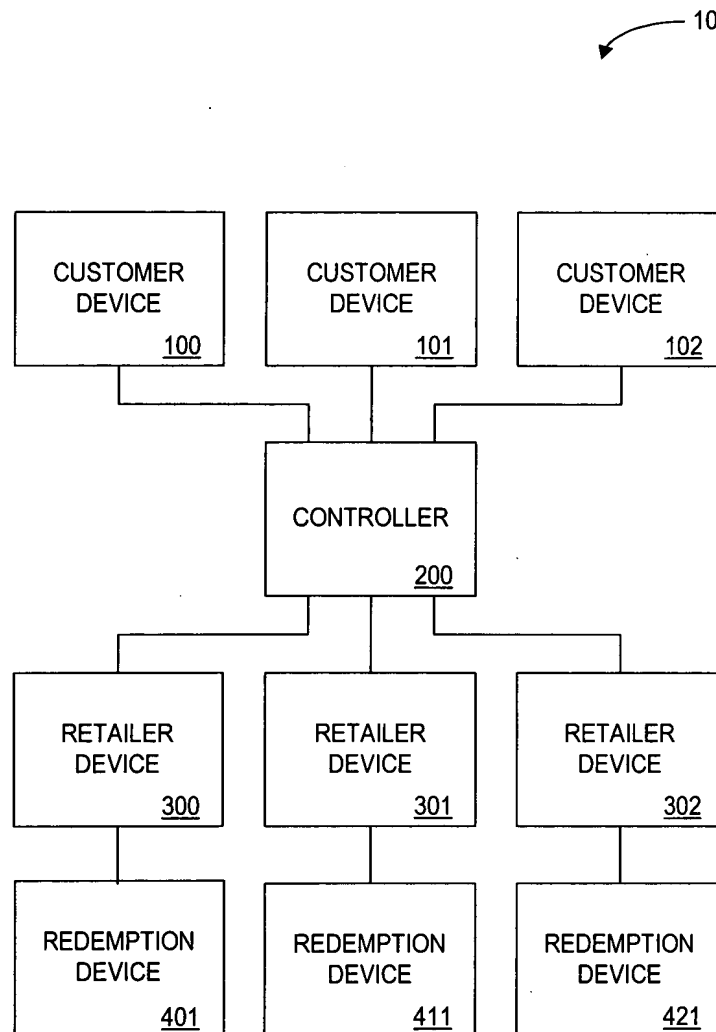


FIG. 1A

20

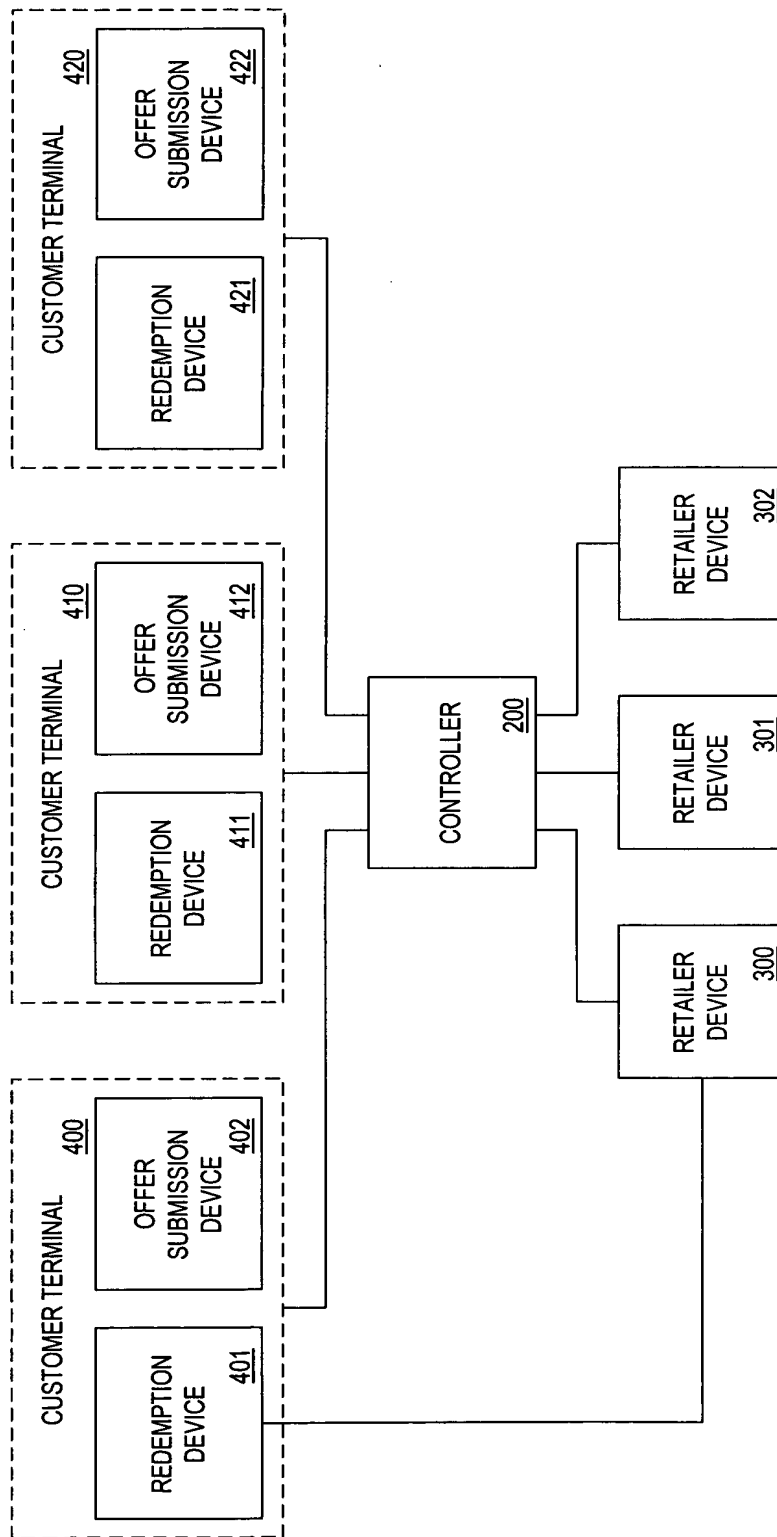


FIG. 1B

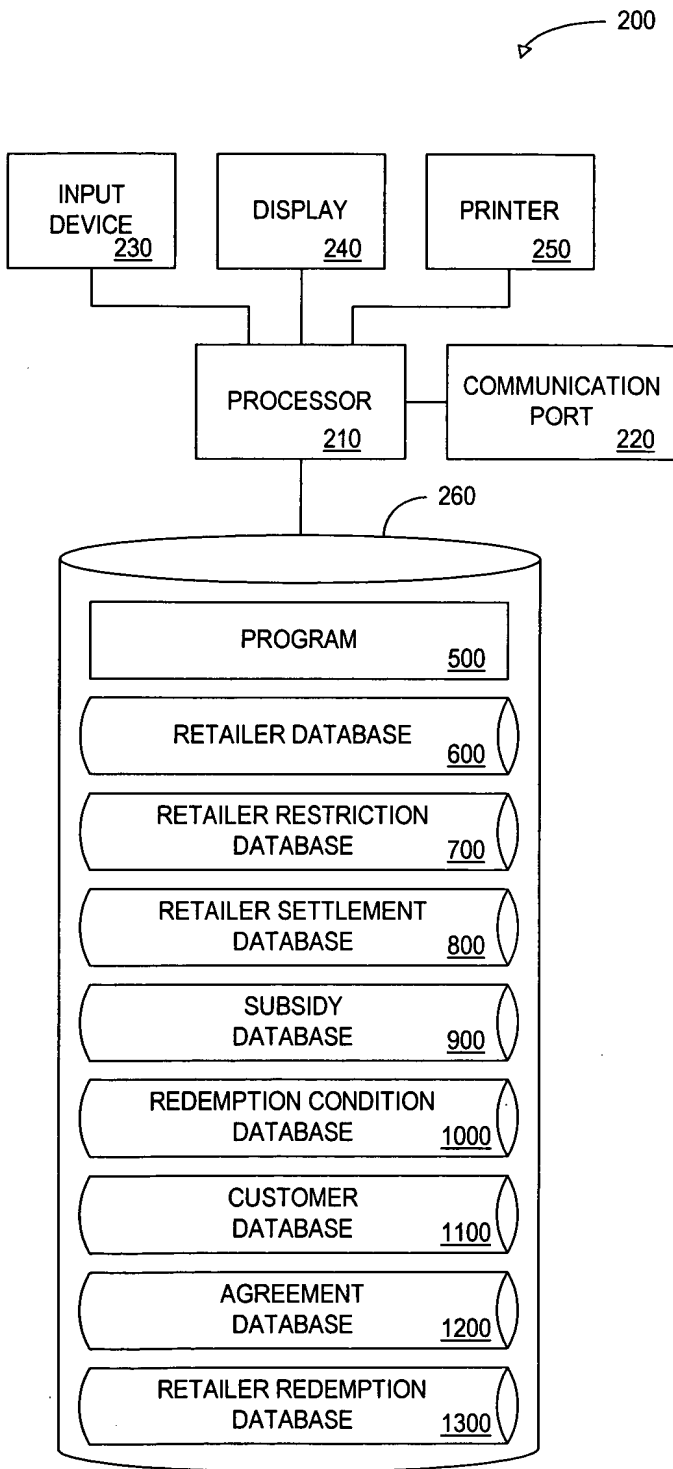


FIG. 2A

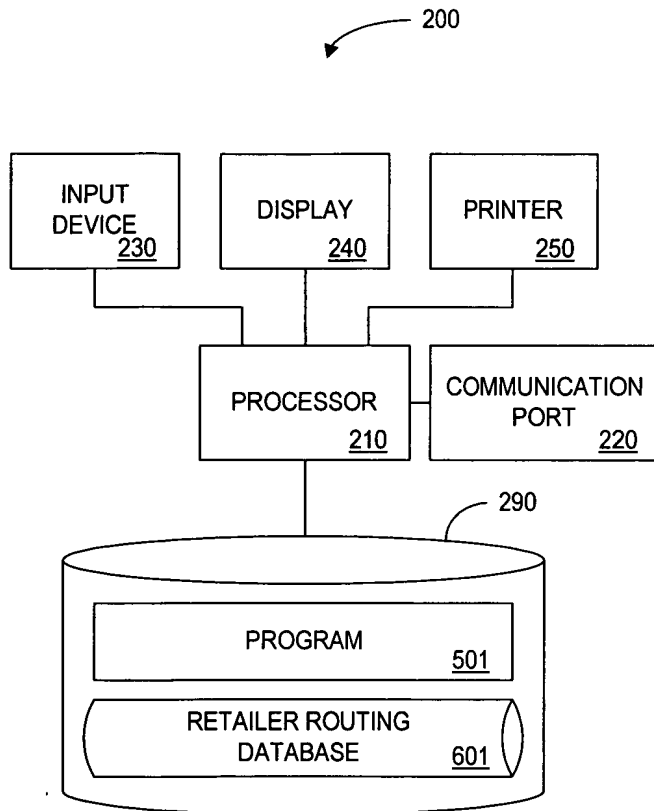


FIG. 2B

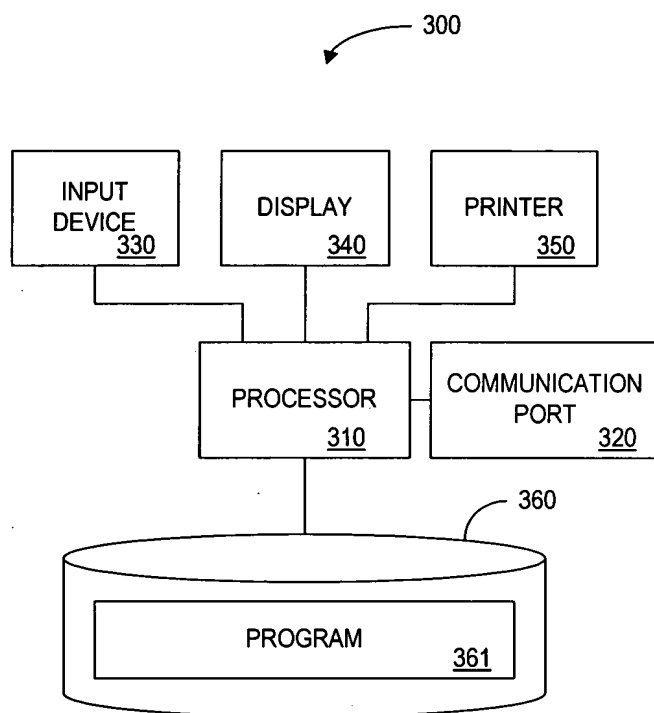


FIG. 4A

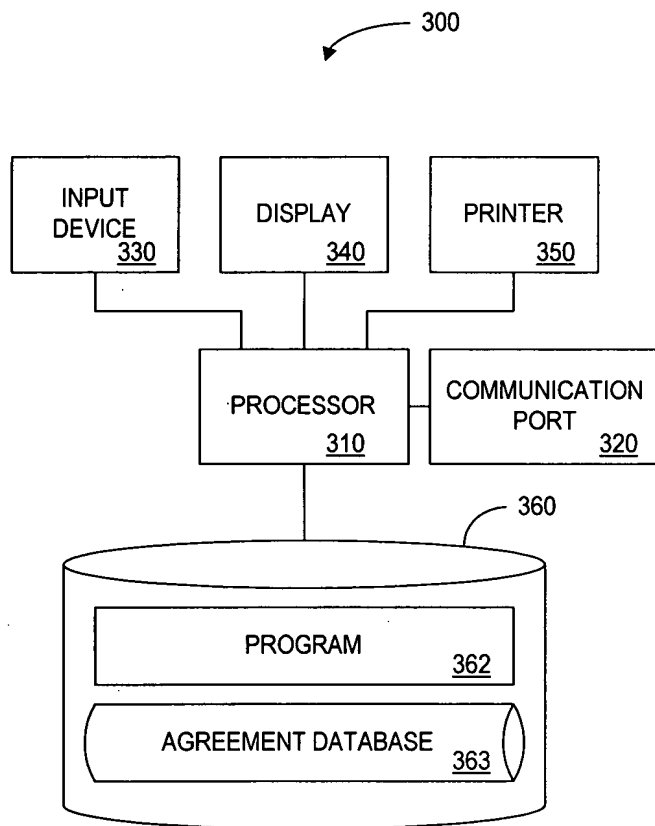


FIG. 4B

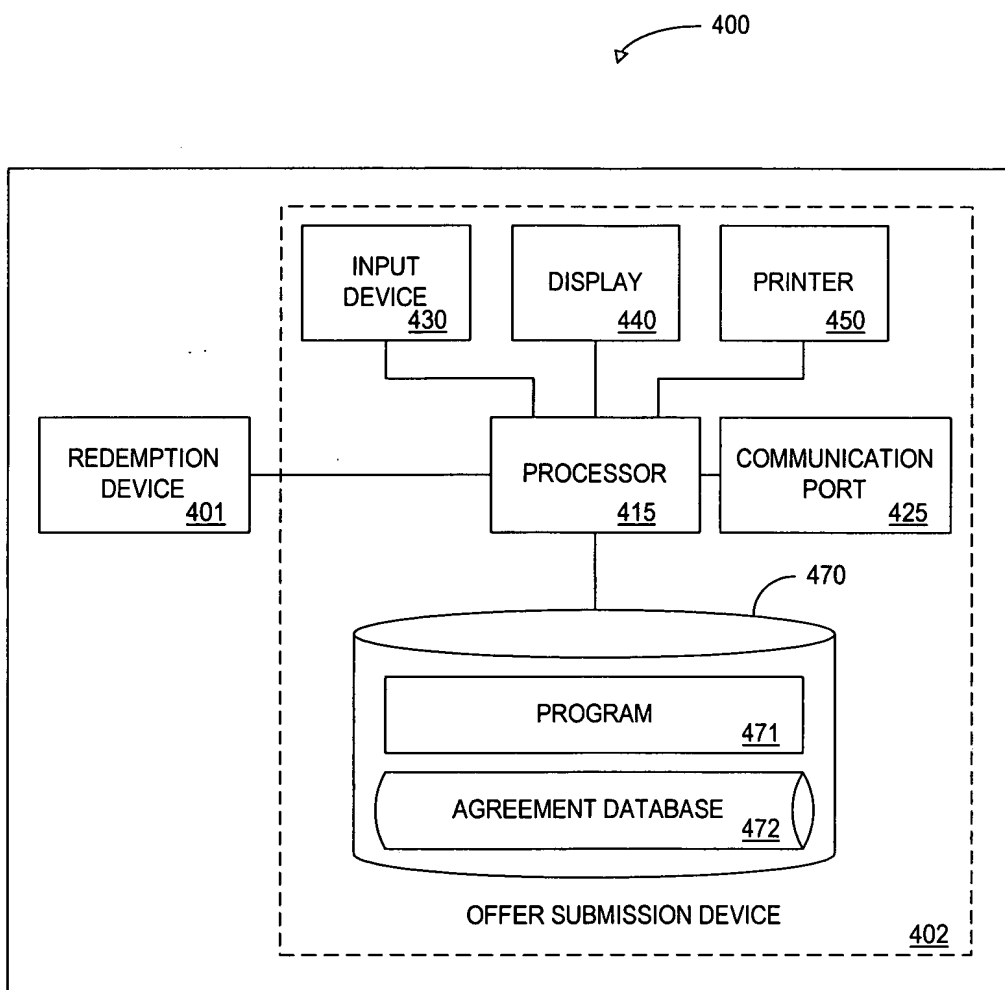


FIG. 5

600

RETAILER IDENTIFIER 610	LOCATION 620	MANUFACTURER 630	RETAIL PRICE (87) 640	RETAIL PRICE (89) 650	RETAIL PRICE (92) 660
R-0001	123 MAIN ST. STAMFORD, CT 06905	EXXON	\$1.50/GALLON	\$1.70/GALLON	--
R-0002	460 CENTER AVE. GREENWICH, CT 06700	MOBIL	\$1.50/GALLON	\$1.64/GALLON	\$1.75/GALLON
R-0003	789 MILLS LN. NORWALK, CT 06850	SHELL	\$1.45/GALLON	--	--

FIG. 6

800

RETAILER IDENTIFIER	SETTLEMENT PRICE	SETTLEMENT SCHEDULE	COMMISSION FEE
<u>810</u>	<u>820</u>	<u>830</u>	<u>840</u>
R-0001	RETAIL PRICE	MIDNIGHT	\$5/AGREEMENT
R-0002	AGREEMENT PRICE	BEGINNING OF EACH AGREEMENT	---
R-0003	95% OF RETAIL PRICE	EVERY 500 GALLONS REDEEMED	\$100 FOR EVERY 1000 GALLONS REDEEMED
R-0004	RETAIL PRICE - \$0.15/GALLON	AT REDEMPTION	---

FIG. 8

SUBSIDY IDENTIFIER <u>910</u>	SUBSIDY PROVIDER <u>920</u>	OBLIGATION <u>930</u>	SUBSIDY AMOUNT <u>940</u>
SUB 01	VISA	APPLY FOR A GOLD CARD	\$30
SUB 02	MCI	SWITCH LONG DISTANCE SERVICE	\$20
SUB 03	MCDONALD'S	BUY FROM THE MCDONALD'S ON THE CORNER EVERY WEEK	\$15

900

1000

REDEMPTION CODE	REDEMPTION CONDITION
<u>1010</u>	<u>1020</u>
C1	MUST REDEEM AT LEAST ONCE A MONTH
C2	MUST REDEEM ON WEEKDAYS BETWEEN 2 AND 4 PM
C3	MUST ALWAYS USE SELF SERVICE

FIG. 10

NAME <u>1110</u>	CUSTOMER IDENTIFIER <u>1120</u>	CREDIT CARD NUMBER <u>1130</u>	CONTACT INFORMATION <u>1140</u>	SUBSIDY CODE <u>1150</u>	BIND NEXT OFFER FLAG <u>1160</u>
ALICE BROWN	CUST 001	1234-5678-9101-1121	203-333-4444	SUB 01	YES
CHARLIE DOE	CUST 002	1111-2222-3333-4444	CD@EMAIL.NET	SUB 02	NO
EVAN FIELD	CUST 003	3141-5926-5358-9793	123 MAIN ST. ANYTOWN, USA	SUB 03	NO

1100

1200

REDEMPTION IDENTIFIER 1210	CUSTOMER IDENTIFIER 1220	PRODUCT 1230	AGREEMENT PRICE 1240	RETAILER IDENTIFIER 1250	QUANTITY REMAINING 1260	REDEMPTION CODE 1270
RED 0015	CUST 001	89	80% OF RETAIL PRICE	R-0001	50 GALLONS	C1
RED 0024	CUST 002	87	\$1.45/GALLON	R-0002	3 GALLONS	C2
RED 0036	CUST 003	92	\$50 FOR 30 GALLONS	R-0003 R-0004	25 GALLONS	C3

FIG. 12

SECRET

R-0001			
CUSTOMER IDENTIFIER	PRODUCT	QUANTITY REDEEMED	RETAIL PRICE
<u>1320</u>	<u>1330</u>	<u>1340</u>	<u>1350</u>
CUST 888	87	15 GALLONS	\$1.50 PER GALLON
CUST 001	89	20 GALLONS	\$1.65 PER GALLON
CUST 999	92	7.5 GALLONS	\$1.75 PER GALLON

FIG. 13

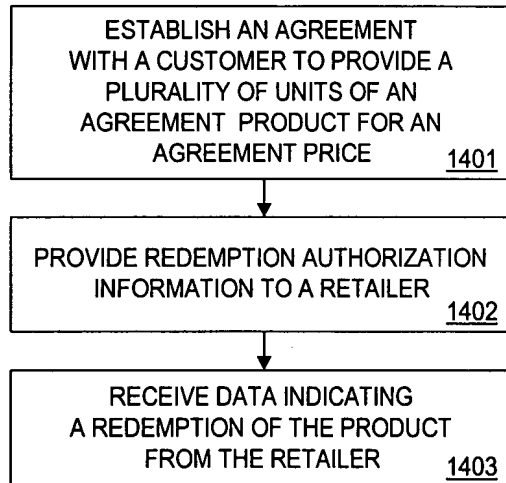


FIG. 14

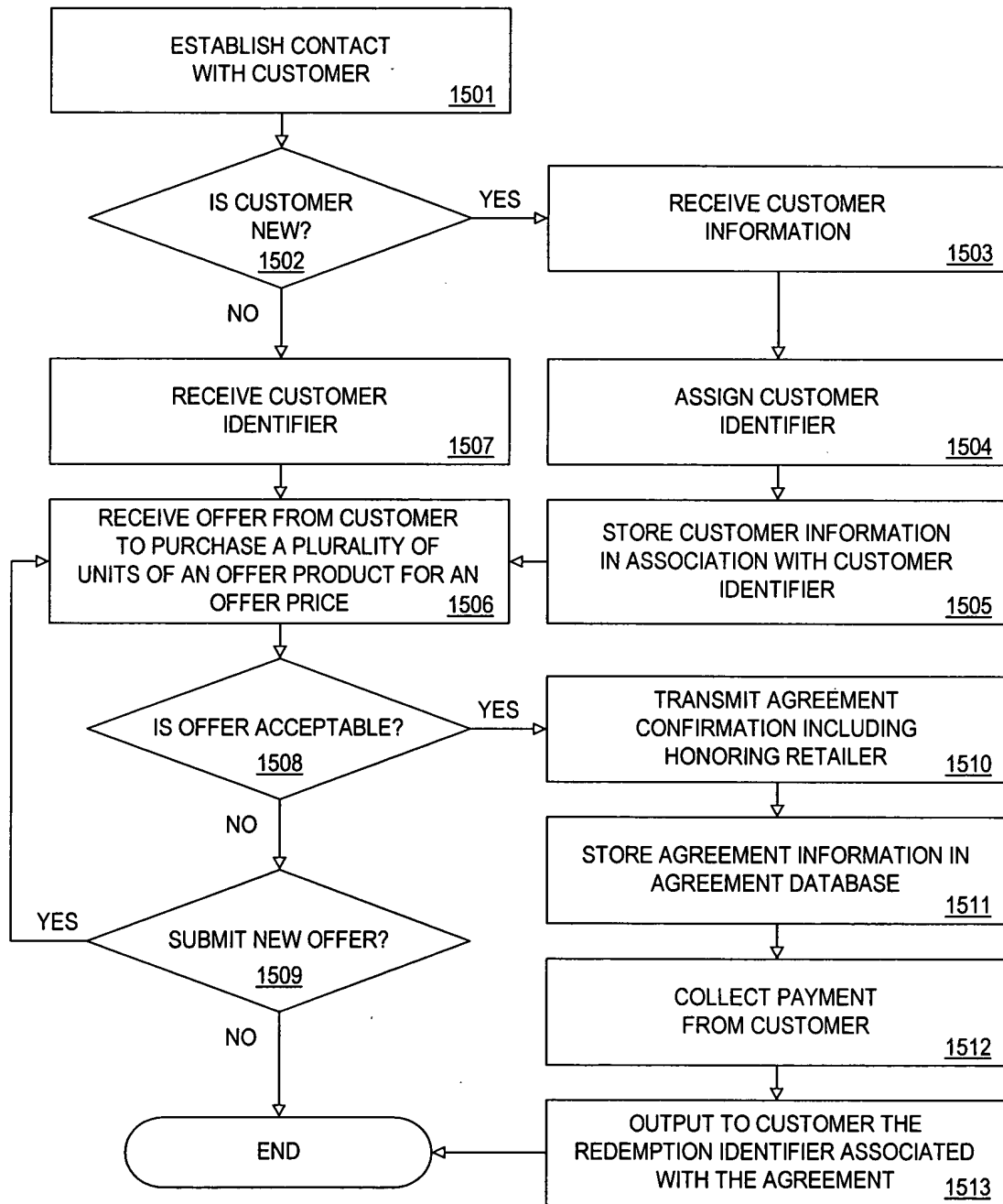


FIG. 15

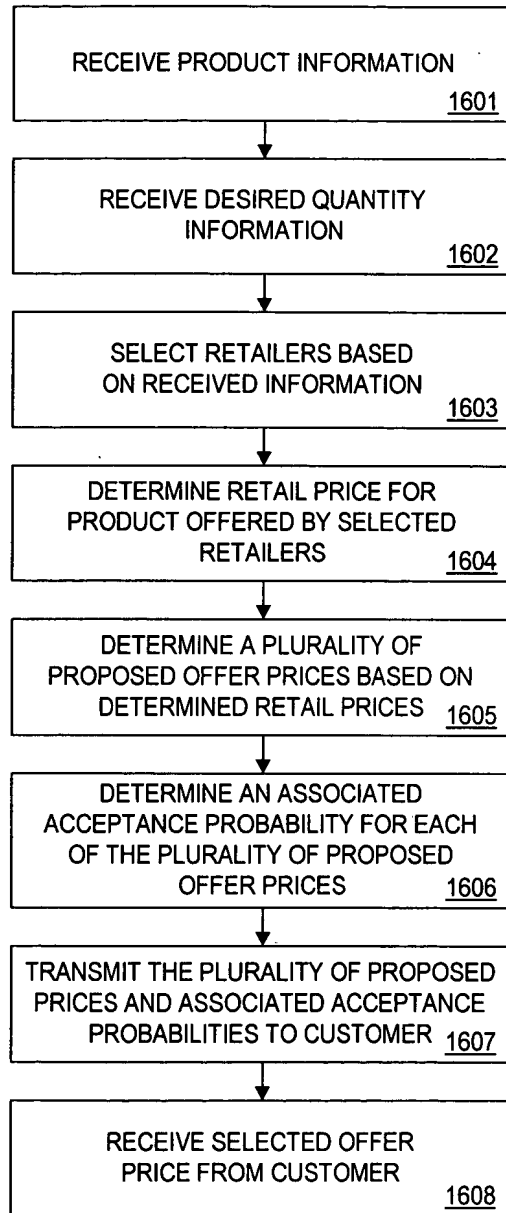


FIG. 16

1700

ONE ACCEPTED OFFER	
AMOUNT LESS THAN AVERAGE RETAIL PRICE	ASSOCIATED ACCEPTANCE PROBABILITY
\$0.05	98%
\$0.10	96%
\$0.12	90%
\$0.15	80%

1750

ZERO ACCEPTED OFFERS	
AMOUNT LESS THAN AVERAGE RETAIL PRICE	ASSOCIATED ACCEPTANCE PROBABILITY
\$0.05	100%
\$0.10	100%
\$0.12	100%
\$0.15	100%

FIG. 17

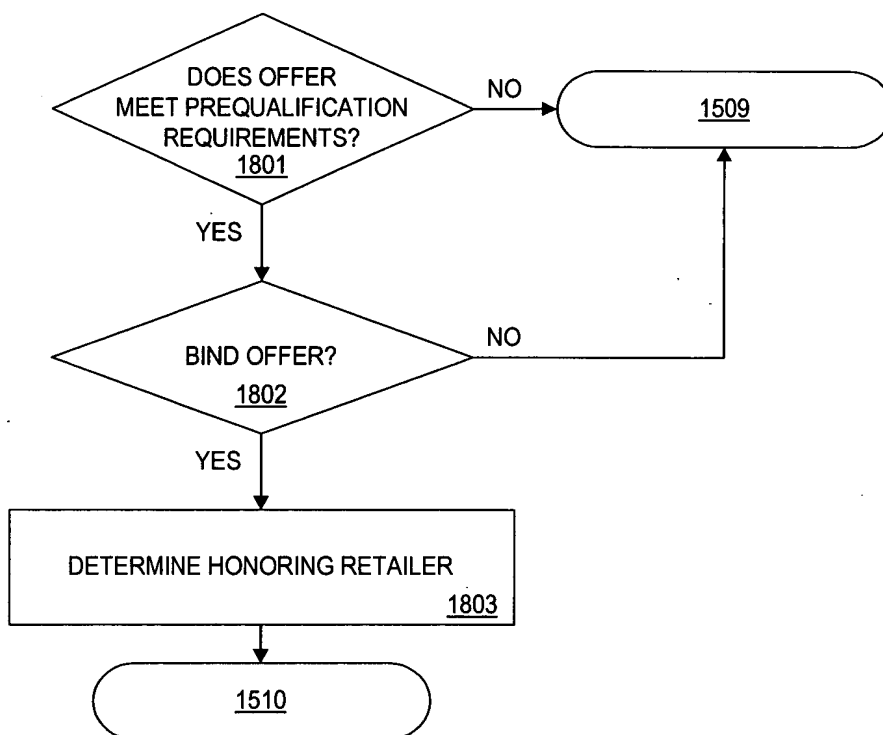


FIG. 18

DATE: 04/04/2000

1900
↙

MANUFACTURER <u>1910</u>	% TARGET MARKET SHARE <u>1920</u>	% ACTUAL MARKET SHARE <u>1930</u>	% DIFFERENCE <u>1940</u>
EXXON	25%	20%	-5
MOBIL	20%	22%	2
SHELL	30%	35%	5

FIG. 19A

EXXON -- 89 OCTANE	
RETAILER IDENTIFIER	TIER
<u>1960</u>	<u>1970</u>
R-0001	LOW
R-0004	LOW
R-0007	MEDIUM
R-0010	LOW

FIG. 19B

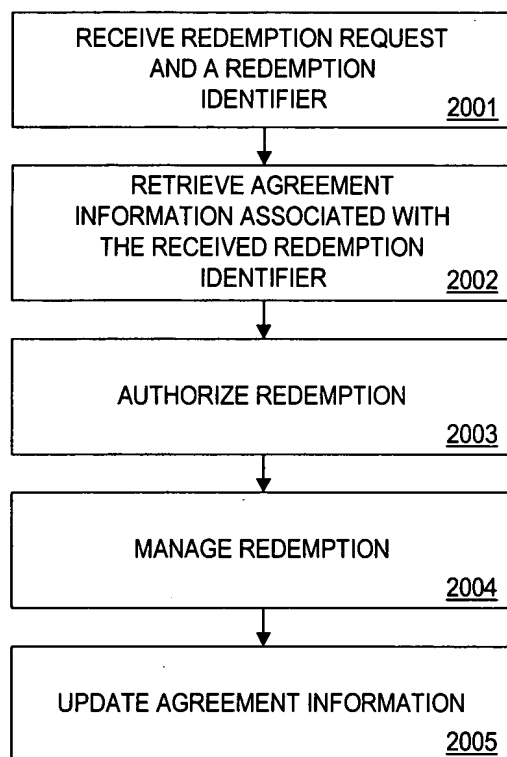


FIG. 20

Figure 6. The effect of the initial concentration of the monomer on the polymerization of **1**. Polymerization conditions: [AIBN] = 0.008 mol/L; [M] = 0.001–0.01 mol/L; [H₂O] = 0.001 mol/L; [DMSO] = 0.009–0.0099 mol/L; T = 70 °C; t = 2 h.

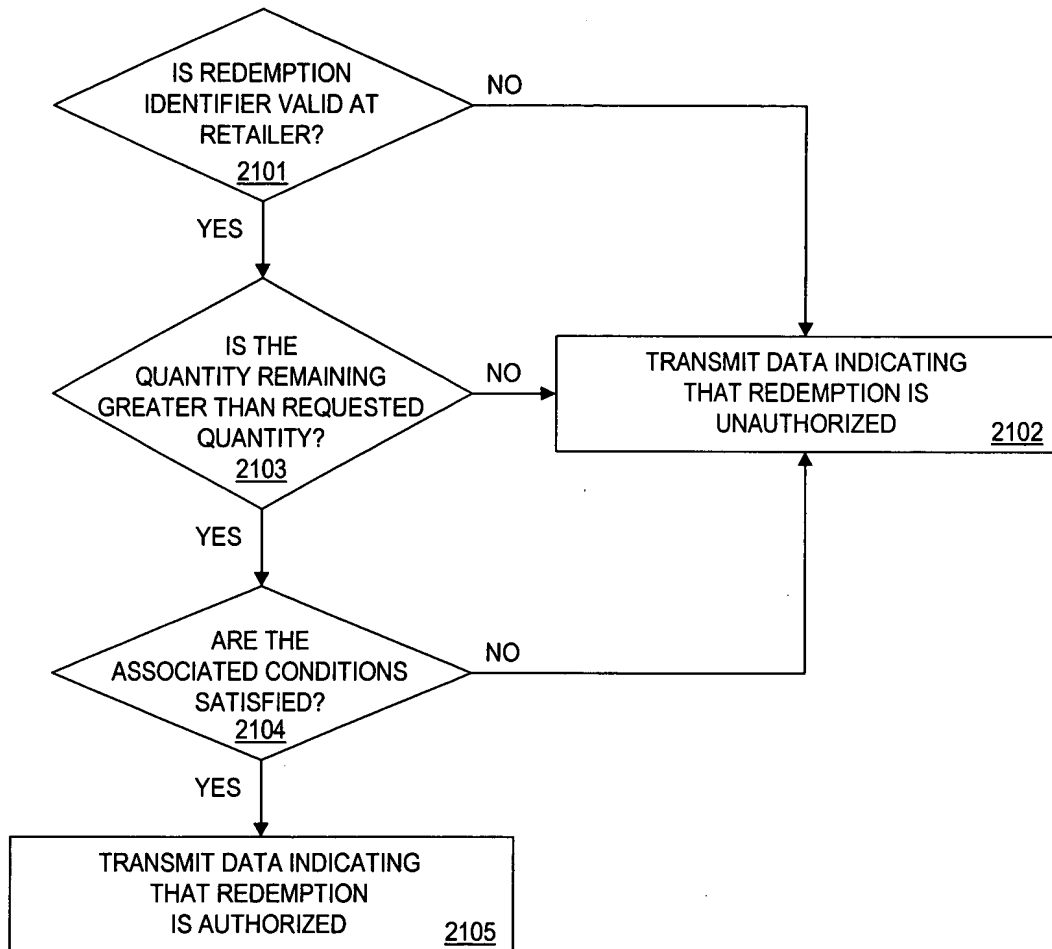


FIG. 21

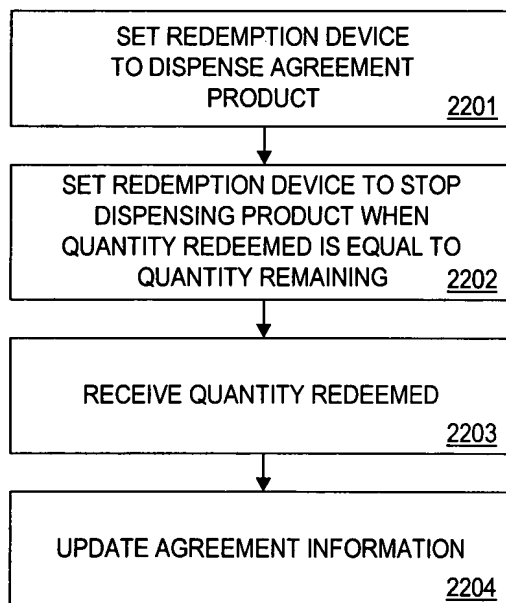


FIG. 22

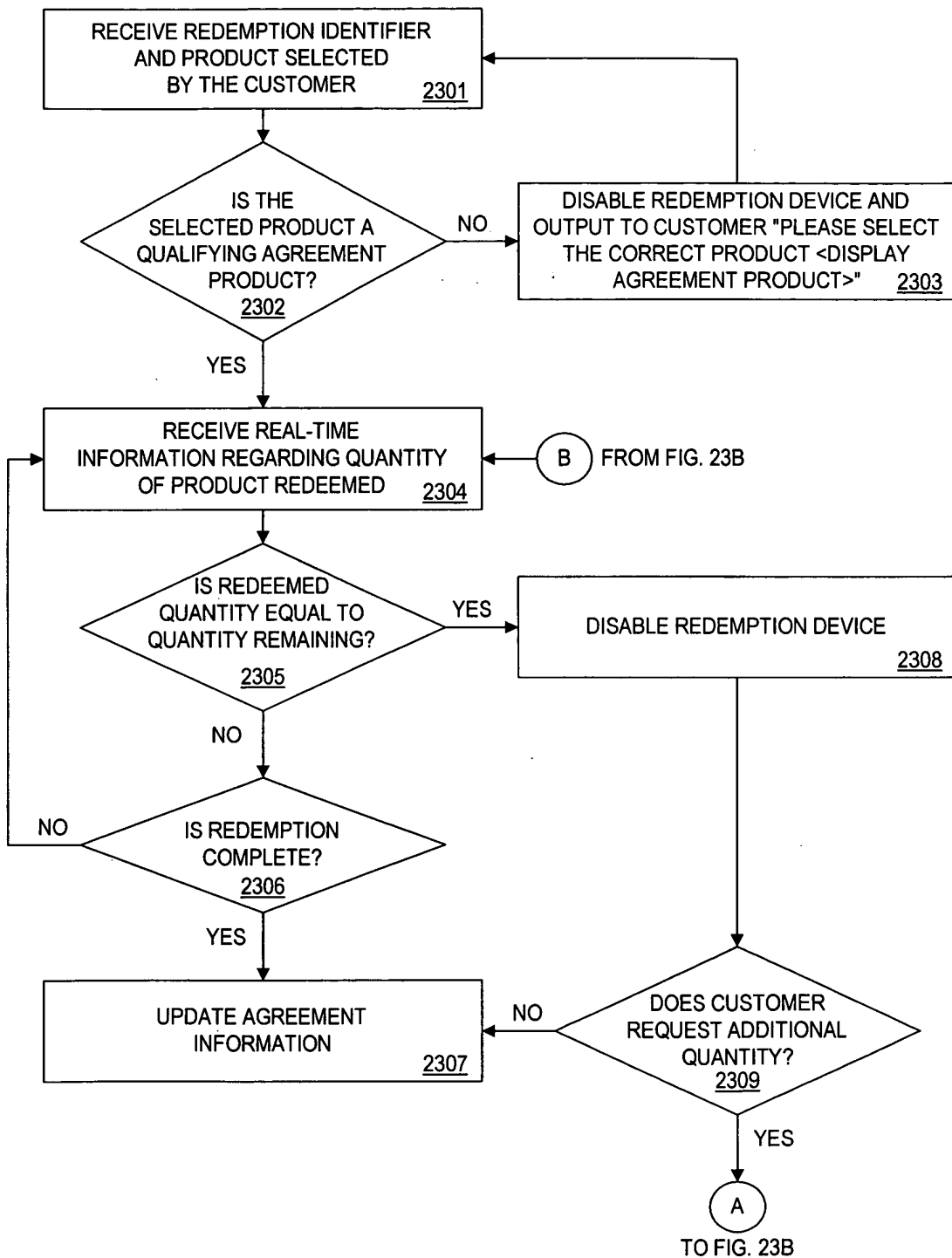


FIG. 23A

60204560

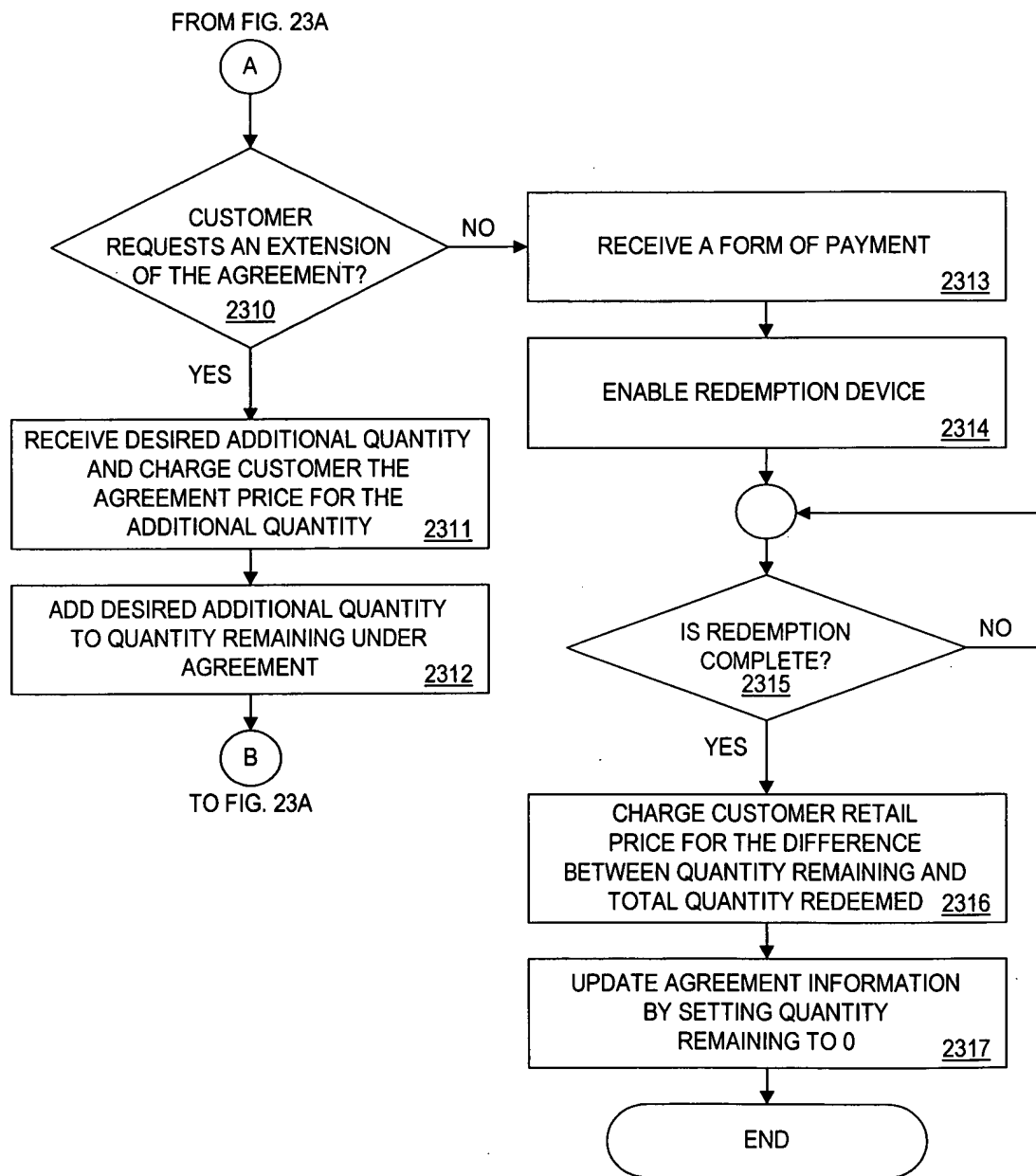
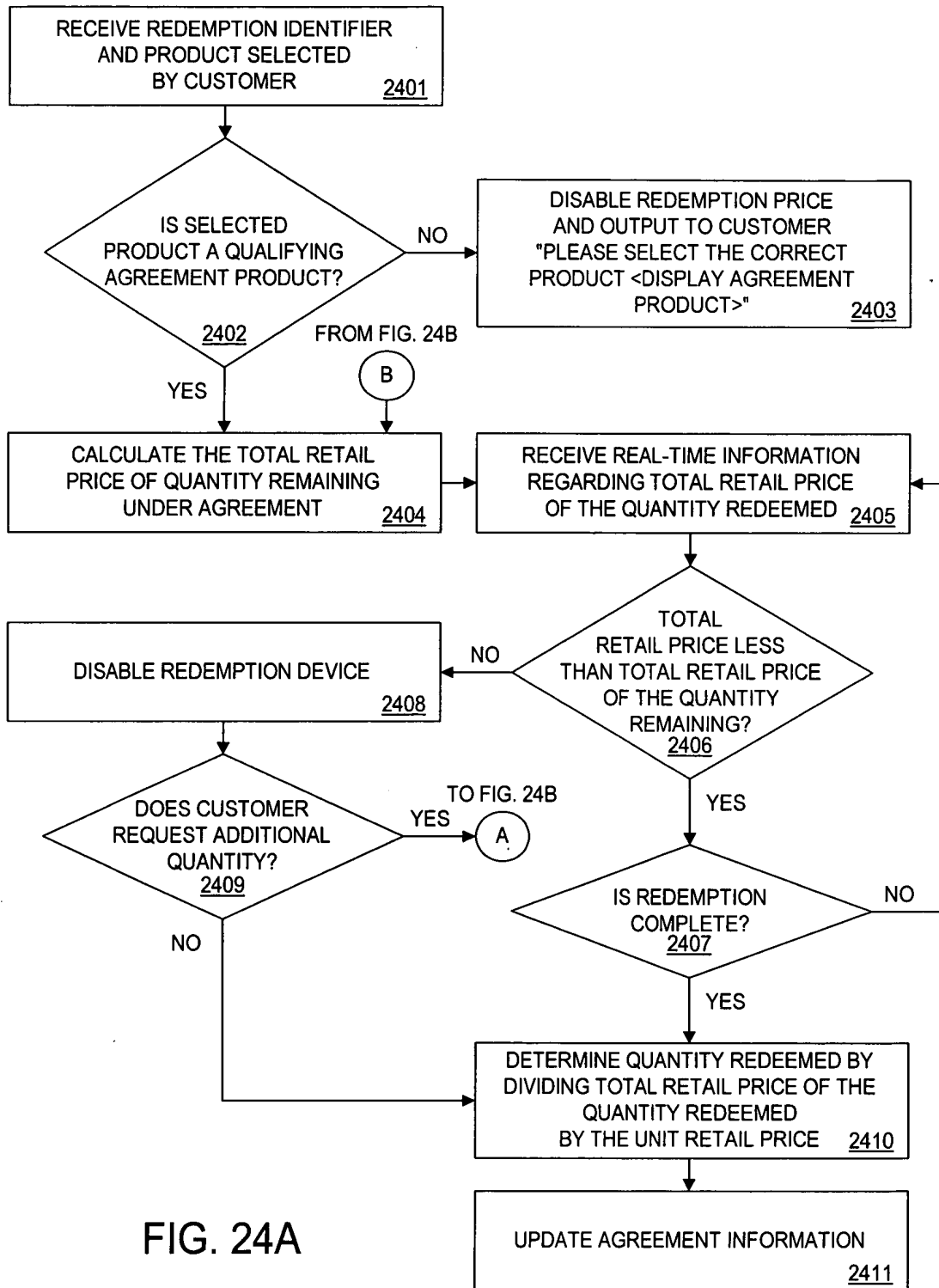


FIG. 23B



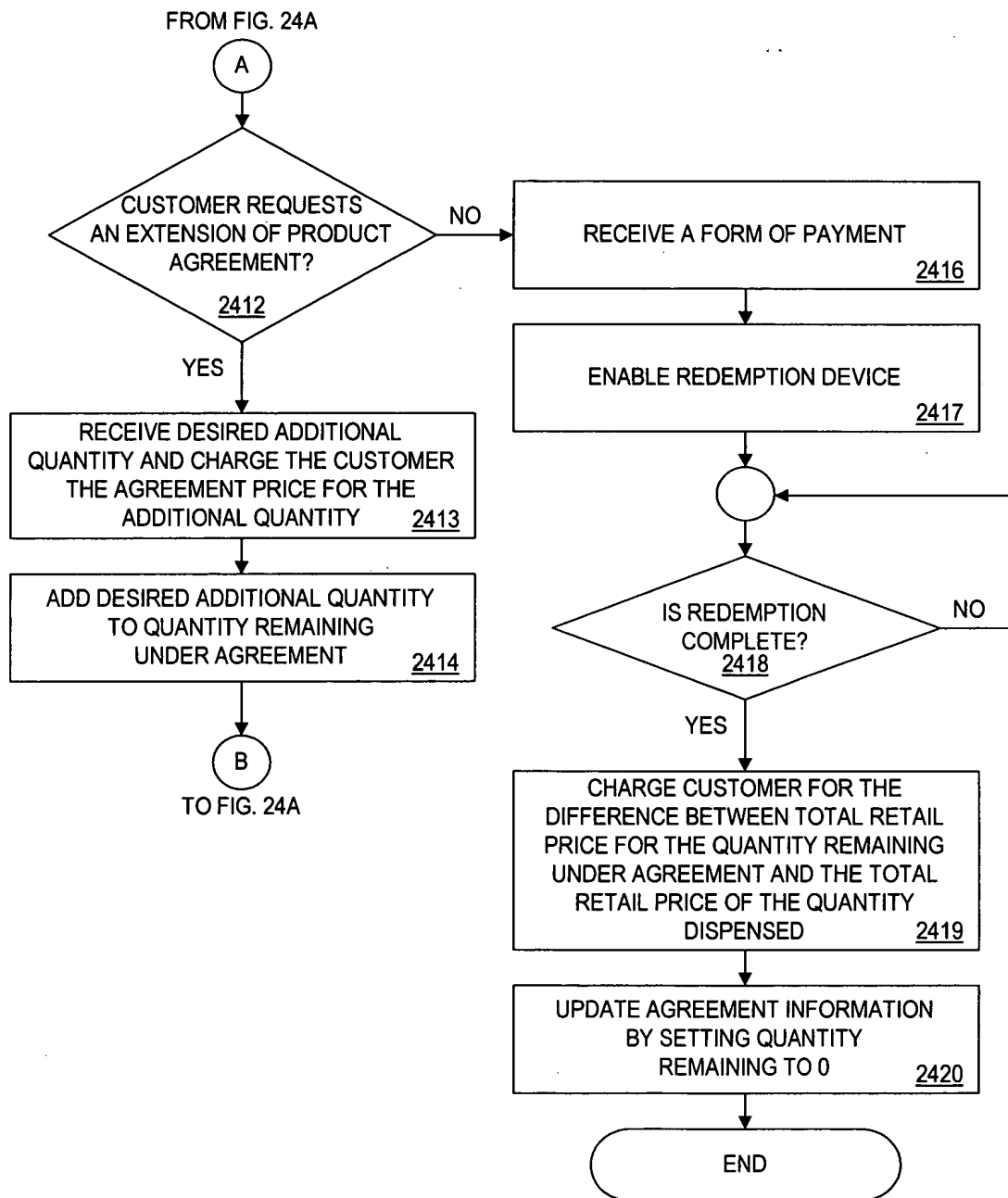


FIG. 24B

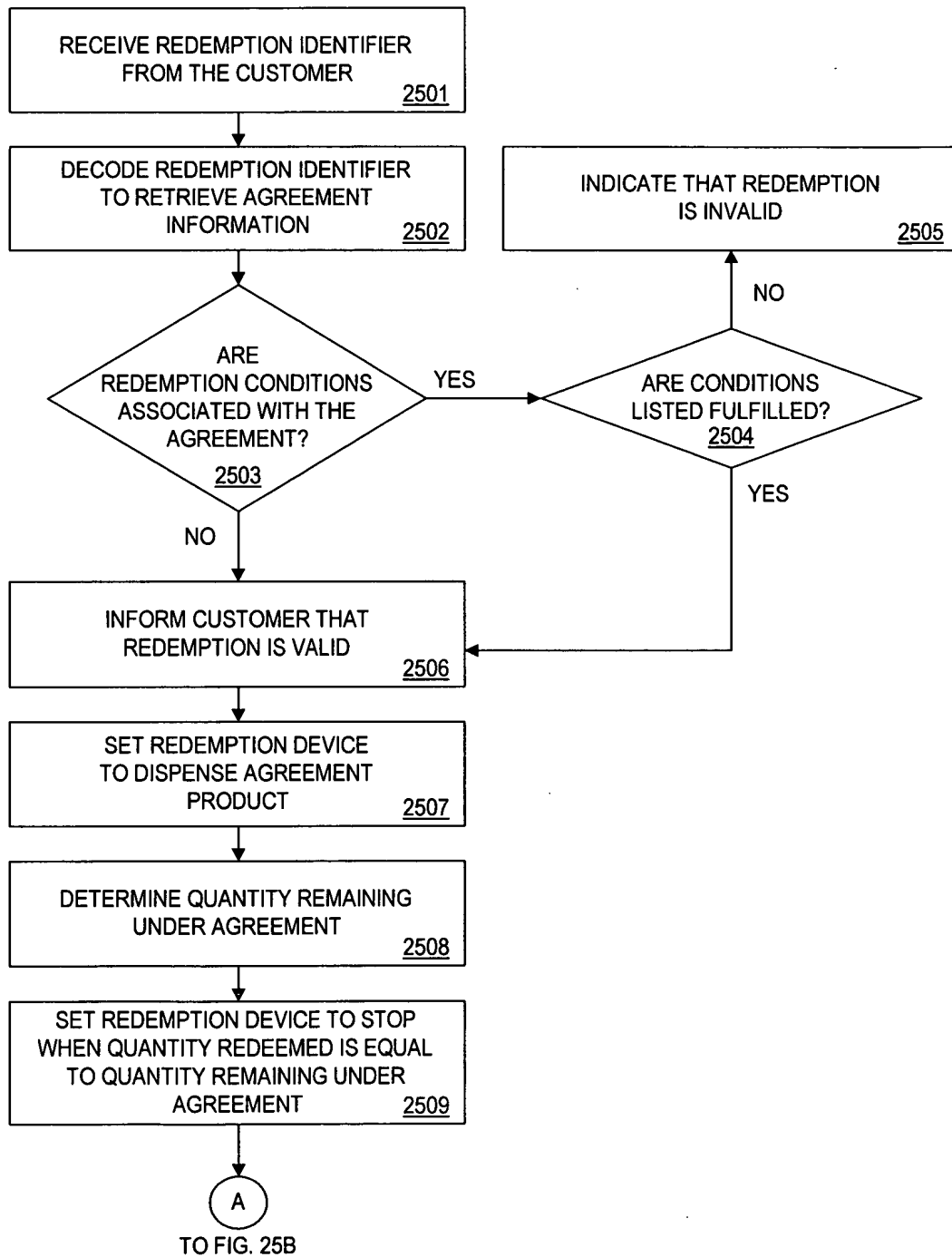


FIG. 25A

FROM FIG. 25A

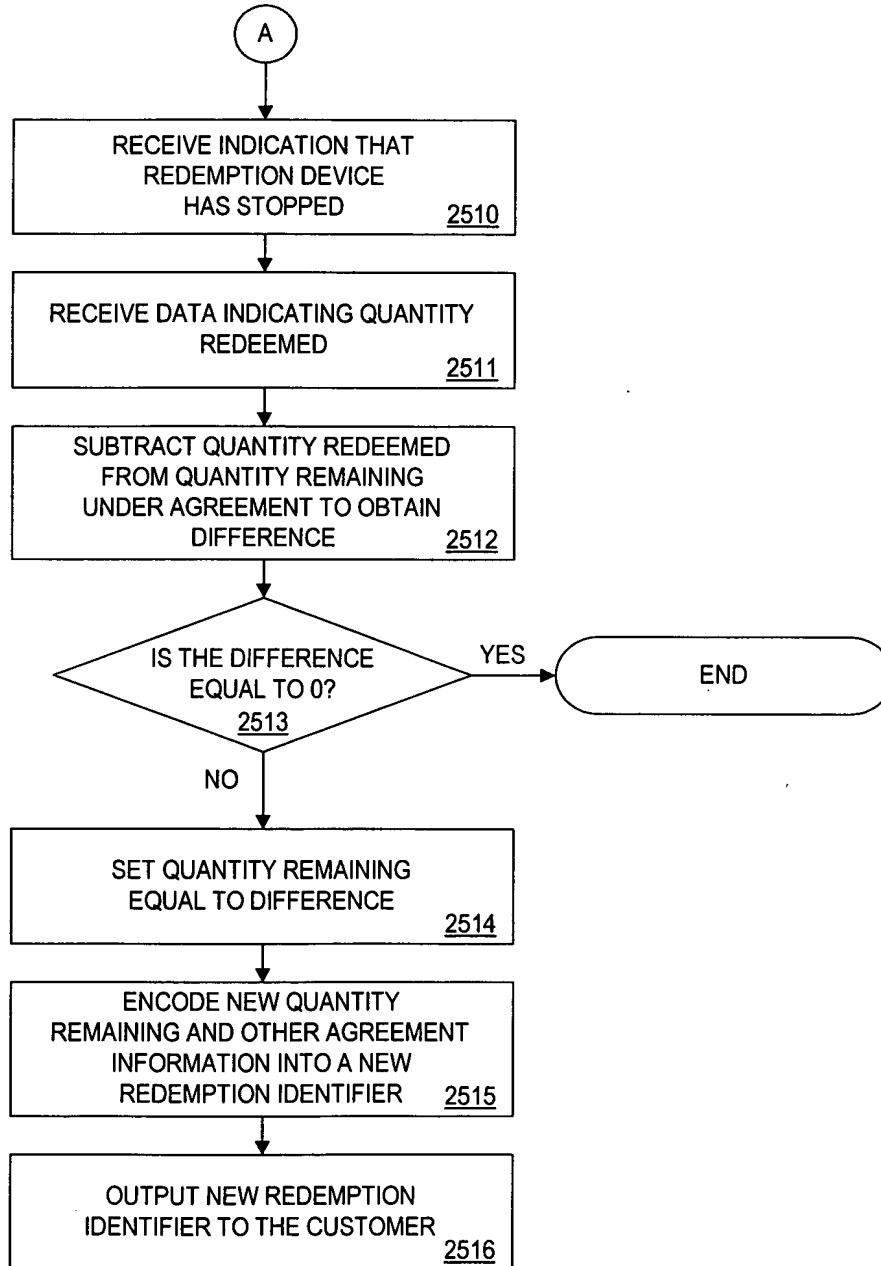


FIG. 25B


```

graph TD
    2601[RECEIVE REDEMPTION RECORD  
FROM RETAILER] --> 2602[RETRIEVE SETTLEMENT  
PRICE CORRESPONDING TO  
THE RETAILER]
    2602 --> 2603[DETERMINE SETTLEMENT DUE RETAILER  
BASED ON THE QUANTITY REDEEMED  
AND THE SETTLEMENT PRICE]

```

FIG. 26

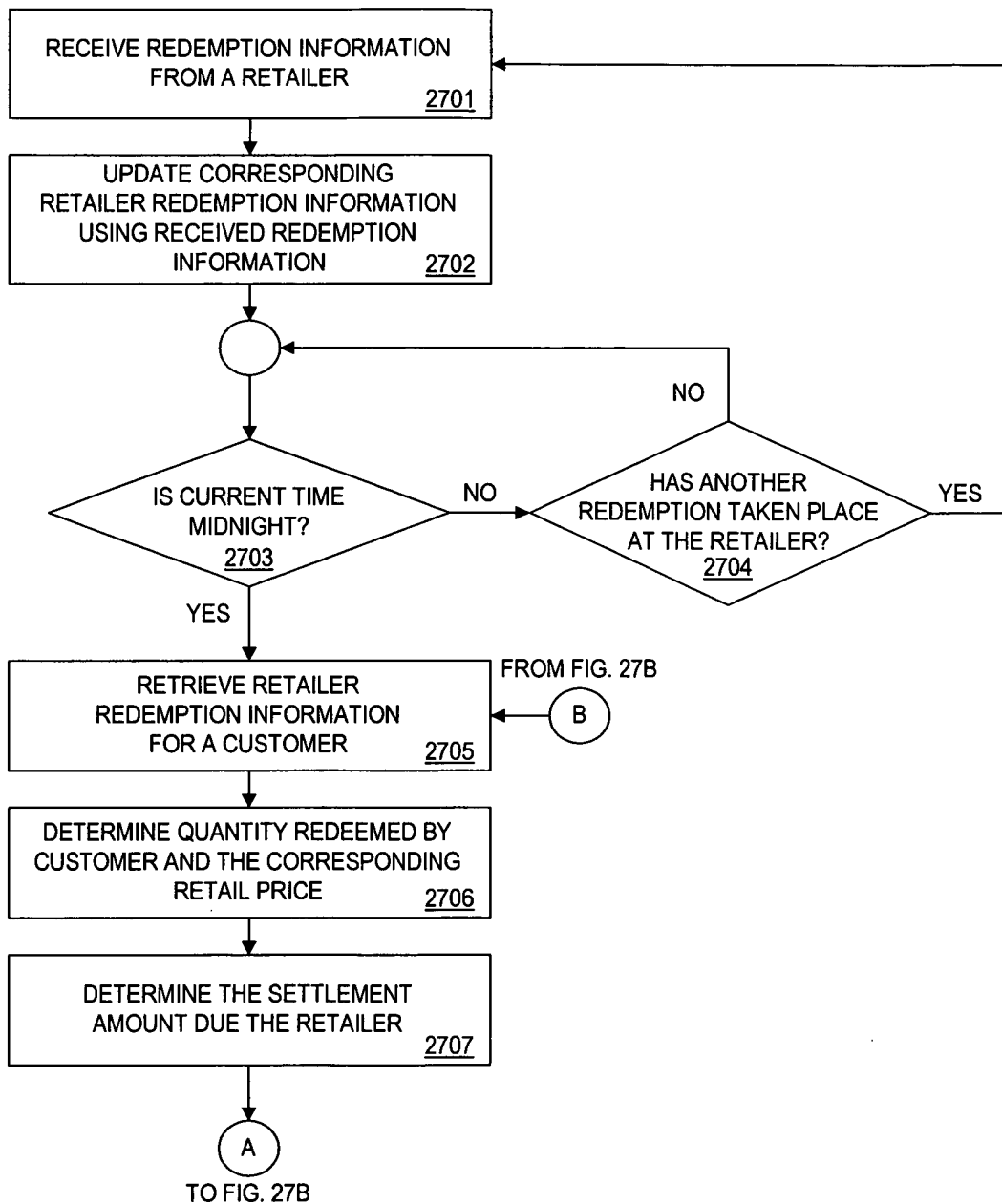
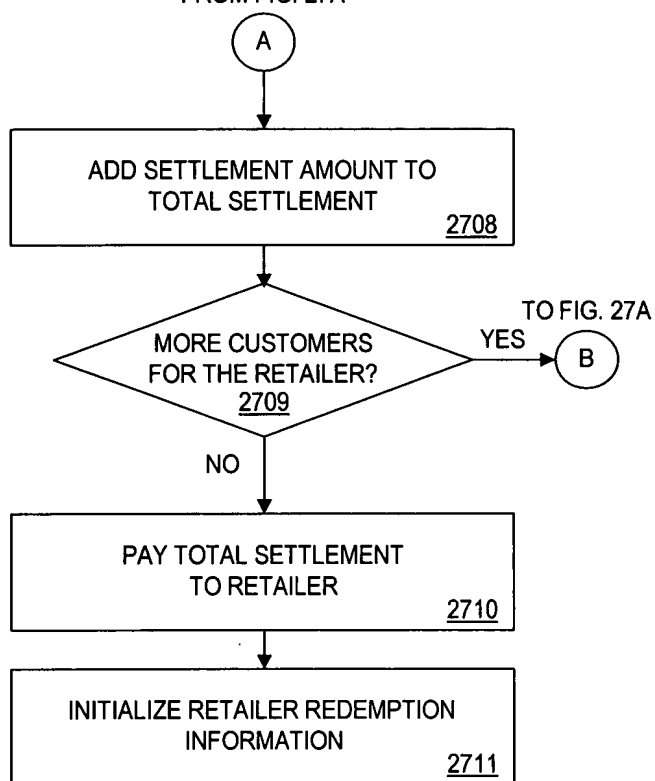


FIG. 27A

FROM FIG. 27A



ADD SETTLEMENT AMOUNT TO
TOTAL SETTLEMENT

2708

**MORE CUSTOMERS
FOR THE RETAILER?**

2709

TO FIG. 27A
YES ☒

B

NO

**PAY TOTAL SETTLEMENT
TO RETAILER**

2710

INITIALIZE RETAILER REDEMPTION INFORMATION

2711

FIG. 27B